

## Contributors to this Issue

J. R. SHEA, B.S. in E.E., University of Wisconsin, 1909; Manufacturing Department, Western Electric Company, 1909-. Mr. Shea is now Assistant Superintendent of the Manufacturing Development Branch covering metal manufacturing and metallurgical work.

S. McMULLAN, M.A., McMaster University, Toronto, 1912, LL.B., Chicago Kent College of Law, 1924; Manufacturing Department, Western Electric Company, 1916-. Mr. McMullan is now Development Engineer in the Manufacturing Development Branch on the manufacture of copper rod and wire.

C. R. MOORE, B.S. in Mechanical and Electrical Engineering, Purdue, 1907; E.E., Purdue, 1910; Instructor and Assistant Professor Electrical Engineering, Purdue, 1907-13; Manager of La Fayette Electric and Mfg. Co., 1913-14; Associate in Electrical Engineering, University of Illinois, 1914-16; Engineering Department of the Western Electric Co., 1916-24; Bell Telephone Laboratories, Inc., 1925-. Mr. Moore for several years has been associated with transmitter development work and has contributed important inventions relating to telephone instruments and acoustic devices.

A. S. CURTIS, Ph.B., 1913, E.E., 1919, Sheffield Scientific School; Instructor in Electrical Engineering, Yale University, 1913-17; Engineering Department, Western Electric Company, 1917-24; Bell Telephone Laboratories, Inc., 1925-. Mr. Curtis' work has been connected with the development of telephone instruments.

A. G. LANDEEN, E.E., University of Minnesota, 1910; incandescent lamp development and manufacturing, General Electric Company, 1910-19; Engineering Department, Western Electric Company, 1919-24; Bell Telephone Laboratories, 1925-.

RALPH BOWN, M.E., 1913, M.M.E., 1915, Ph.D., 1917, Cornell University; Captain Signal Corps, U. S. Army, 1917-19; Department of Development and Research, American Telephone and Telegraph Company, 1919-. Mr. Bown has been in charge of work relating to radio transmission development problems and recently has given particular attention to the quantitative and engineering side of transatlantic telephony.

W. P. MASON, B.S., University of Kansas, 1921; M.A., Columbia, 1924; Engineering Department, Western Electric Company, 1921-24; Bell Telephone Laboratories, Inc., 1925-. Mr. Mason has been associated with work on carrier current communication, and more recently with the development of filters and subscribers' sets.

KARL K. DARROW, S.B., University of Chicago, 1911; University of Paris, 1911-12; University of Berlin, 1912; Ph.D. in physics and mathematics, University of Chicago, 1917; Engineering Department, Western Electric Company, 1917-24; Bell Telephone Laboratories, Inc., 1925-. Mr. Darrow has been engaged largely in preparing studies and analyses of published research in various fields of physics.